



Bühler Services
Partnering for better outcomes

Grinding media for bead mills



The grinding media make the difference

The quality of the grinding media significantly influences the performance and durability of a bead mill. Selecting the right grinding media is therefore decisive for the product quality and

your system production costs. Thanks to many years of experience and extensive testing, Bühler has adjusted the optimal grinding media qualities for its machine systems.

Process stability

High product quality, thanks to a stable wet-grinding process.

Maximum durability

Increased cost-effectiveness thanks to maximized durability and availability of the mills and grinding media.

Machine efficiency

Greatest possible machine productivity through perfectly tailored grinding media.

Bühler support

Bühler specialists provide excellent advice on selecting the right grinding media for your application.

Can be used in the following machine systems

Quality grinding media All products are made from stabilized ceramic and are subject to strict quality control with batch-related certification.		MacroMedia	MicroMedia SuperFlow K-Series	SuperTex Centex Cenomic	BOA, TEX STS, RL
Draison® YUP Yttrium Ultra Power	Material density: $\geq 5.95 \text{ g/cm}^3$, Bulk density: $\geq 3.7 \text{ g/cm}^3$, Hardness: $\geq \text{HV } 1250$	•	•	•	•
Draison® YP Yttrium Power	Material density: $\geq 5.90 \text{ g/cm}^3$, Bulk density: $\geq 3.6 \text{ g/cm}^3$, Hardness: $\geq \text{HV } 1200$	•	•	•	•
Draison® YPP Cerium Power	Material density: $\geq 6.00 \text{ g/cm}^3$ Bulk density: $\geq 3.70 \text{ g/cm}^3$ Hardness: $\geq \text{HV } 1150$			•	•
Draison® CPP Cerium Power	Material density: $\geq 6.10 \text{ g/cm}^3$ Bulk density: $\geq 3.7 \text{ g/cm}^3$ Hardness: $\geq \text{HV } 1100$			•	•
Draison® ChromResist	Material density: $\geq 7.86 \text{ g/cm}^3$, Bulk density: $\geq 4.8 \text{ g/cm}^3$, Hardness: $\geq \text{HV } 740\text{-}900$			•	•

Grinding media order form.

Enter the required quantity here:

Draision® YUP (Yttrium Ultra Power)			Draision® YP (Yttrium Power)			Draision® YPP (Yttrium PerformancePower)			Draision® CPP (Cerium Power)			Draision® ChromResist					
Nominal diameter	Range	Stock beads	Nominal diameter	Range	Stock beads	Nominal diameter	Range	Stock beads	Nominal diameter	Range	Stock beads	Nominal diameter	Range	Stock beads			
(µm)	(mm)	(kg)	(µm)	(mm)	(kg)	(µm)	(mm)	(kg)	(µm)	(mm)	(kg)	(µm)	(mm)	(kg)			
30	0.015 – 0.05																
50	0.03 – 0.08																
100	0.08 – 0.13																
200	0.15 – 0.25																
300	0.30 – 0.40	•															
400	0.35 – 0.50	•															
500	0.40 – 0.65	•	500	0.40 – 0.60	•	500	0.40 – 0.60		500	0.40 – 0.60							
650	0.55 – 0.75	•	650	0.60 – 0.70		650	0.60 – 0.70										
800	0.70 – 0.90	•	800	0.70 – 0.90	•	800	0.70 – 0.90	•	700	0.60 – 0.80	•						
1000	0.90 – 1.10	•	1000	0.90 – 1.10	•	1000	0.90 – 1.10	•	1000	0.90 – 1.10	•						
1250	1.10 – 1.40	•	1200	1.10 – 1.30	•	1200	1.10 – 1.30		1200	1.10 – 1.30	•						
1500	1.35 – 1.65	•	1500	1.40 – 1.60		1500	1.40 – 1.60	•	1500	1.40 – 1.60		1588	1.58 – 1.80				
1750	1.60 – 1.90		1700	1.60 – 1.80		1700	1.60 – 1.80		1700	1.60 – 1.80							
2000	1.90 – 2.20	•	2000	1.90 – 2.10		2000	1.90 – 2.10	•	2000	1.90 – 2.20	•	2000	2.00 – 2.20	•			
2300	2.15 – 2.45	•	2500	2.20 – 2.50	•	2500	2.20 – 2.50		2200	2.20 – 2.50		2500	2.50 – 2.70	•			
2700	2.55 – 2.85		2800	2.50 – 2.80					2600	2.40 – 2.70							
3000	2.80 – 3.20	•	3000	2.80 – 3.20					3000	2.80 – 3.20		3175	2.975 – 3.375				
												4000	3.967 – 3.970	•			

Are you planning to change your grinding media qualities? We are pleased to help.

If you have any questions regarding this offering or about our services, please mail to:

cs.gd@buhlergroup.com

Hotline

The direct line to our experts

Technical support Tel. +49 (0) 6023 9194 499
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